

**Abstract**

Materials for coating, coating compositions, methods and articles of manufacture comprising a nanoparticle system or employing the same to impart surface modifying benefits for all types of hard surfaces are disclosed. In some embodiments, dispersement of nanoparticles in a suitable carrier medium allows for the creation of coating compositions, methods and articles of manufacture that create multi-use benefits to modified hard surfaces. In some embodiments, actively curing the coating composition on the hard surfaces, including, but not limited to by radiative heating the air surrounding the hard surface with the coating thereon can be used to increase the durability of the hard surface coating.